

## **Tool creation and operation system development for large engineering enterprises**

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### **Abstract**

On the basis of JSC "KAMAZ", the article describes a new concept of the automated tool creation and operation (TCO) system with tool identification at all stages of the life cycle with the possibility of adaptation to any machine-building enterprise. Russian machine-building companies have traditionally made over 80% of the tool themselves. Therefore, the concept of TCO system is wider than adopted in the European countries Tool management (TM) concept. A general structure of the classification is developed for all kinds of tool manufacture. The system allows the assignment of a unique code to each tool. This permits to create the preconditions for the development of subsystems of its purchasing, design, production and operation. © IDOSI Publications, 2014.

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### **Keywords**

Classification, Concept, System, Tool creation, Tool operation